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Nanomaterials with Enzyme-Like Properties for Optical Biosensing

Guest Editors:

Dr. Hao Zhang

College of Pharmacy, Chongqing
Medical University, Chongqing
400016, China

Prof. Dr. Fengqing Yang

School of Chemistry and
Chemical Engineering,
Chongqing University, Chongqing
401331, China

Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editors

Nanomaterials with enzyme-like activity (nanozymes) have been widely employed in the construction of optical sensors due to their advantages of high stability, good biocompatibility, and ease of modification. To date, many nanozyme-involved principles and methods have been explored and applied in clinical diagnosis, environmental monitoring, food safety control, and forensic analysis. In this Special Issue, we take particular interest in manuscripts that discuss the principles and mechanisms of detection, rational design and relevant application in the optical biosensing of nanozymes. We invite authors to contribute original research and review articles that will stimulate further basic research on the development and application of nanomaterials with enzyme-like properties.

Potential topics suitable for this Special Issue include, but are not limited to, the following: the catalytic principles and mechanisms of nanozymes, detection mechanisms and design principles, and nanomaterials with enzyme-like activities for optical biosensing.



mdpi.com/si/184464

Special Issue



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Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

Message from the Editor-in-Chief

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Biosensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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